

dimeric protein having an amino acid sequence selected from the group consisting of a sequence:

- (a) having the C-terminal seven-cysteine skeleton of human OP-1, residues 38-139 of SEQ ID NO:5;
- (b) having the amino acid sequence of the C-terminal seven-cysteine skeleton on human OP-1;
- (c) defined by Generic Sequence 6, SEQ ID NO:31; and
- (d) defined by OPX, SEQ ID NO: 29.

105. **(Reiterated)** The method of claim 91, 97 or 99, wherein the morphogen is human OP-1.

106. **(Reiterated)** The method of claim 91, 97 or 99, wherein the morphogen is mouse OP-1.

107. **(Reiterated)** The method of claim 91, 97 or 99, wherein the morphogen is human OP-1, mouse OP-1, human OP-2, mouse OP-2, 60A, BMP2A, BMP2B, Vg1, Vgr-1, BMP5, and BMP6.

108. **(Reiterated)** The method of claim 91, 97 or 99, wherein the morphogen is human OP-1, mouse OP-1, human OP-2, mouse OP-2, BMP5, and BMP6.